

MD iMap Technical Committee Meeting Minutes

Place: Department of the Environment (MDE): Terra Conference Room (Baltimore, MD)
Date: 2/5/13
Time: 1:00PM – 3:00 PM
Attendees: Kevin Coyne (DNR), Bill Fearington (DHS), Jason Keppler (DoIT), John Madigan, Kate Majchrzak (MDE) and Frank Siano (MDE)

Phone Attendees: Kristen Ahearn (StateStat), Ashley Buzzeo (CGIS), Jim Cannistra (MDP), Mary Creamer (ESRGC), Kaushik Dutta (MDTA), Julia Fischer (DoIT), Matt Folley (MDP), Barney Krucoff (GIO), Erin Lesh (SHA), Lisa Lowe (DoIT), Erick Pate (Calvert County) and Apollo Teng (Montgomery County)

AGENDA:

- Introductions 1:00 – 1:10
- Data and Resources Subcommittee Updates 1:10 – 1:20
 - Addressing Initiative Update – *Russell Provost* 1:20 – 1:30
- Outreach Subcommittee Updates 2:00 – 2:10
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- Application Subcommittee Updates 2:10 – 2:20
- How to consume Socrata services in MD iMap 2:20 – 2:40
- Additional Business 2:40 – 3:00

NEW ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Data and Resources Subcommittee <ul style="list-style-type: none">Send out email this week to connect with those who volunteered to be on the Data and Resources Subcommittee	Submitted: 2/5/13	Lisa Lowe
New MD iMap Map Service Submission <ul style="list-style-type: none">Set up a discussion to determine short-term and long-term solutions to accommodating more map services on MD iMap	Submitted: 2/5/13	GIO Office
American Community Survey – 18 Map Services <ul style="list-style-type: none">Place these map services on ftp site where the scope and extent can be reviewed	Submitted: 2/5/13	MDP
MDE Land Use Data Solicitation Meeting <ul style="list-style-type: none">Forward invite to Lisa Lowe	Submitted: 2/5/13	Jim Cannistra

ON-GOING ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
USDOT Cloud Utilization Survey <ul style="list-style-type: none"> Send acceptance to USDOT, we are on the second tier list of user's discussion. No further communication Phone conversation with them to start 	Updated: 1/15/13 Submitted: 11/20/2012	Kaushik Dutta & Barney Krucoff
Future Agenda Item <ul style="list-style-type: none"> Bring a regular report to the meeting about what credits are being used and discuss what to publish, etc. 	Submitted: 8/7/12	GIO & Co-Chairs

Application Subcommittee:		
Description:	Date Assigned:	Follow Up By:
Geocortex <ul style="list-style-type: none"> Request DoIT contractors explore and report back to the group concerning the raw code and opportunities for modification 	Submitted: 1/15/13	DoIT GIO Office
How to consume Socrata services in MD iMap <ul style="list-style-type: none"> Python script being coded and tested on some transportation and MDA data which has been uploaded to Socrata, more details to follow Test the potential for automated updates using available .xml feeds or other resources out of Socrata and report back to the group 	Updated: 2/5/13 Submitted: 1/15/13	Kristen Ahearn, Kaushik Dutta & Jason Keppler
SwGi Connection <ul style="list-style-type: none"> Testing the connection with simultaneous users on Wednesday, 2/6/13 DoIT to test this week or early next week and get back to group 	Updated: 2/5/13 Submitted: 12/4/12	Jason Keppler
Google Map Engine <ul style="list-style-type: none"> Negotiate with Google through the existing Google contract with DoIT 	Submitted: 9/4/12	GIO
SwGi/Version 10.1 Migration <ul style="list-style-type: none"> MD iMap infrastructure being kept at Esri Version 10.0 at present DoIT providing a server for development at Esri Version 10.1 at present Meeting scheduled w/Amazon for Wed. 9/5/12 10.1 migration anticipated by January 2013 by CGIS 1 meeting at CGIS Not yet created design Invite Esri to participate in a design session 	Updated: 11/20/12; 9/4/12; 7/17/12; 3/23/12 Submitted: 3/6/12	GIO
Application Submission Procedures <ul style="list-style-type: none"> Update detailed procedures for application creation and update Resend Application Submission Procedures draft to Technical Committee (Co-chairs) 	Submitted: 6/21/11	Technical Committee
Code Acquisition for MD iMap Portal	Updated:	GIO Office

<ul style="list-style-type: none"> DoIT developers working with DoIT staff to obtain code from various application developers Provide updated worksheet to Kenny Miller for review, after updates have been applied (Kaushik Dutta) Development Code Worksheet Generated (Kaushik Dutta) Date of Launch—add this additional column and information to worksheet (Kaushik Dutta) Work on filling in missing information (Kaushik Dutta & Kenny Miller) Meeting to be scheduled to discuss next steps Excel spreadsheet inventory being produced by CGIS and MES Actively being pursued Obtain Flex code from CGIS and MES for MD iMap-based applications 	12/4/12; 7/5/11; 6/7/11; 1/4/11; 12/21/10; 12/7/10; 11/16/10 Submitted: 10/19/10	
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Data & Resources Subcommittee:		
Description:	Date Assigned:	Follow Up By:
Topography Updates <ul style="list-style-type: none"> URL to access data and map services from ESRGC added to Portal Share Salisbury map service URL with the group 	Updated: 2/5/13 Submitted: 6/5/12	GIO
REST Endpoint Service Descriptions <ul style="list-style-type: none"> Any changes that need to be made to these descriptions or legends should be submitted to Ashley Buzzeo 	Submitted: 12/20/11	MD iMap Service Data Owners
WFS-Enabled OSPREY Services <ul style="list-style-type: none"> Instructions and list of available WFS-enabled services to be added to Portal early September Ownership in question Follow up with owners of OSPREY data to determine if layers can be WFS-enabled 	Updated: 9/4/12; 3/23/12 Submitted: 12/6/11	Kenny Miller
GIS/Archives Appraisal Questions <ul style="list-style-type: none"> Distribute survey to as many municipal, county and state agencies, as possible, for potential participation 	Submitted: 7/5/11	Technical Committee
Feedback/Requests concerning MD iMap <ul style="list-style-type: none"> Statewide tax map service being developed by MDP – will be made available on MD iMap in future PFA map service now includes a field “State Eligible” w/ Yes or No Look to obtain most recent statewide DEM from Salisbury and discuss effort/timeline for generating hillshade and getting posted Still updating Add Plat # to parcel Maybe add address Add PFA in/out: resistance to this update 	Updated: 9/4/12; 3/23/12; 10/4/11 Submitted: 6/7/11	Jim Cannistra

<ul style="list-style-type: none"> • Check for hillshade, which can be added as map service, @ MDP • Add Hillshade Service: Inquire at DNR if they have a hillshade available – to check • Add Map/Parcel ID Look-Up: Follow up with requestor (Jason Zhao – MDE) to clarify request 		
<p>Point of Interest/Place Name Geocoder</p> <ul style="list-style-type: none"> • The 11 address locators that the composite locator will use are created • Geocoders have been defined, data being collected, geocoders to be created and tested in the upcoming weeks • Research concerning development of composite geocoder underway • Composite geocoder on task list for CGIS FY2013 • Ashley Buzzeo will work with Brad Wolters to determine if this composite geocoder will meet these additional search criteria needs 	<p>Updated: 2/5/13; 1/15/13; 12/4/12; 9/4/12</p> <p>Submitted: 1/18/11</p>	CGIS
<p>WFS Services</p> <ul style="list-style-type: none"> • Top 10 list to be assembled during next Data & Resources Subcommittee meeting • List of enable services, email to group 	<p>Updated: 4/5/11</p> <p>Submitted: 3/15/11</p>	Data & Resources Subcommittee
<p>Web Mercator Data Service Projection</p> <ul style="list-style-type: none"> • DoIT recreating MD iMap map services in 10.1 Web Mercator projection • Need to move projections to Web Mercator • Per MES, EMMA replacement will use Web Mercator projection • Assess costs in labor and storage for creation of MD iMap data services (except imagery) in Web Mercator projection – Will determine with DNR & CSSC (lots of variables: migration to 10, etc.) 	<p>Updated: 11/20/12; 3/6/12; 10/4/11; 4/5/11</p> <p>Submitted: 1/4/11</p>	GIO Office
<p>Metadata Services</p> <ul style="list-style-type: none"> • Forward electronic list to group • Updated list to be provided by Friday, 1/7/2011 • Updated list to be provided at 1/4/2011 meeting • Remaining “offenders” actively being pursued • Resend email to “offenders” to complete metadata • Email resent and follow-up by Kenny Miller to occur • MDP has provided metadata for all their services on MD iMap • Follow-up concerning how to obtain the missing metadata for services currently being hosted on MD iMap • Email sent to Kenny • Agency leads from Tech. Comm. to make progress <ul style="list-style-type: none"> ○ Direct contact of data owners • A listing of services for which metadata is needed was provided. It was discussed that some metadata may not be available from the data producers. This is especially true for parcel data. Metadata at the service level will be written by MDP for parcel data to go along with the MD iMap refresh process 	<p>Updated: 1/18/11; 1/4/11; 12/21/10; 10/5/10; 8/3/10; 7/12/10; 6/22/10; 5/18/10</p> <p>Submitted: 4/20/10</p>	Data & Resources Subcommittee Co-chairs

Education & Outreach Subcommittee:		
Description:	Date Assigned:	Follow Up By:
Twitter/Communication Plan <ul style="list-style-type: none"> List of every CIO for inclusion on email alerts 	Submitted: 11/15/11	GIO
<ul style="list-style-type: none"> Recruit participants Obtain feedback concerning how to improve upon current outreach strategies Email potential new members directly 	Updated: 5/18/10; 4/20/10 Submitted: 3/16/10	Outreach Subcommittee
<ul style="list-style-type: none"> Proactive Marketing of MD iMap 	Submitted: 9/21/10	Outreach Subcommittee

COMPLETED ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Service Alert <ul style="list-style-type: none"> Email and tweet service alert to go out tomorrow concerning service pack implementation and 2 hour downtime from 6 – 8p.m. Friday, January 18, 2013 	Submitted: 1/15/13	Julia Fischer
MD iMap Portal <ul style="list-style-type: none"> Request that everyone take a look at the current website and provide suggestions for cleanup to Julia Fischer (julia.fischer@maryland.gov) 	Submitted: 1/15/13	Technical Committee

Introductions

Round-the-room

Data and Resources Subcommittee Updates

- Updated Portal

Map Service Updates

- Two services deleted based on MDP request
 - Deleted services no longer relevant since Governor's Districts have been approved
 - MDPGRACCongressionalDistricts
 - MDPGRACLegislativeDistricts2012
- GreenPrint Service Updates
 - Program Open Space - <http://mdimap.us/ArcGIS/rest/services/Environment/MD.State.ProgramOpenSpace/MapServer>
 - MALPF - <http://mdimap.us/ArcGIS/rest/services/Environment/MD.State.MALPF/MapServer>

- Maryland Environmental Trust -
<http://mdimap.us/ArcGIS/rest/services/Environment/MD.State.MarylandEnvironmentalTrust/MapServer>
- Rural Legacy -
<http://mdimap.us/ArcGIS/rest/services/Environment/MD.State.RuralLegacy/MapServer>
- Updated MTA Transit Routes and Stops -
<http://mdimap.us/ArcGIS/rest/services/Transportation/MD.State.TransitRoutesAndStops/MapServer>
- Updated MDP Services – 18 unique services under Society ISO Category
- Updated Bay Oysters for DNR -
<http://mdimap.us/ArcGIS/rest/services/Biota/MD.State.BayOysters/MapServer>

MD iMap .kml services

- Investigate .kml for several OSPREY service for Kaushik Dutta (MDTA)
- Jason Keppler (DoIT) and Kaushik Dutta were talking about .kml services which weren't working
- Jason Keppler and Ashley Buzzeo were working on this this morning
 - Attributes have to be enabled to see the linework
 - Some of the attributes have been turned off on purpose and would not transmit to the .kml
- Each submitter would have to decide if layer or attributes are turned on by default in the .mxd
 - This would need to be changed by the submitter of the data
 - Layers or attributes might not be turned on by default for use by a specific application
 - Need to work to find a happy medium between the needs of the submitter and the overall resource for all users
 - Perhaps setting up a generic service which would allow for .kml to transmit all content is an option

Question: Why do we have the .kml service available if the kml is going to be blank?

- Will work with data owners to determine if layers and/or attributes can be turned on
- If not, the .kml service will need to be removed as an option
- This will require some time to inventory all of the map services and the owners
- Researching current server warranties and additional options for migration to 10.1

Composite Address Locator

- The 11 address locators that the composite locator will use are created:
 - MDP Address Points
 - Maryland Statewide Centerlines
 - Intersections (SHA)
 - Highway Exist (SHA)
 - ZIP Codes (MDP)
 - Municipalities (MDP)
 - Mile Markers (SHA)
 - Community Anchor Institutions (CGIS)
 - Points of Interest (SHA)
 - Place Names (MDP)
 - Census Designated Places (MDP)
- Next Steps:
 - Create and test composite locator internally
 - Make any necessary modifications
 - Publish the service
 - Announce availability to MD iMap users

SwGi Connection Testing

- Testing the connection with simultaneous users on Wednesday, February 6, 2013

- DoIT is connected and currently using the available connection successfully

Action Item: Email out this week for those who volunteered on Data and Resources Subcommittee – Lisa Lowe

Census American Community Survey Application

- Looking to add 18 more services to MD iMap for use by this application
 - Not a lot of data volume to the map services being requested for addition
- Currently, additional map services cannot be added to the existing MD iMap infrastructure
- Need to come up with a short-term and long-term solution to accommodate more services and minimize technical issues with the system
- GIO Office currently working through a process to determine what map services can be removed and which can be consolidated to allow for more space for new services

Action Item: Set up something by the end of this week to discuss the short-term solution to accommodate these 18 map services – GIO Office

- MDP has a deadline to get these new map services added to an existing application, the data is ready to go
- MDP can wait another week before posting these services for use by the application
- Backup solution is to put these map services on MDP server
- During the call can the last run of utilization of the map services be made available to use for analysis

Question: What happens if try to publish these additional services?

- Memory spikes have reached 98% several times throughout the day, in the past
- Services have been stopping to get them to come back up, instability of services
- Reworking of the services has moved the spike down to under 50%, but feel as if we have reached a ceiling

Question: Is it possible to group the services into a smaller number of services?

- Not at this time, it would require reworking the application to apply this change

Action Item: Put the data on the ftp site, so we can see what the structure is and the scope – MDP

Addressing Initiative Update – *Russell Provost*

- Partnered with Maryland State Police (MSP) and will be collecting local data on their behalf
- MSP is looking to upgrade their call taking abilities at the barracks, and will require local data including centerlines, parcels, building footprints and addresses
- This partnership will help avoid duplicate data requests
- Data request letters should be sent out by the end of the week, followed by phone calls to schedule individual meetings
- Data collection will start on the Eastern Shore
- It is anticipated that data collection will be completed by April 15, 2013

MDE Land Use Data Solicitation

- MDE is currently collecting data, which is sometimes redundant with the collection being done by addressing effort

- Want to have a discussion about having multiple agencies making the same requests to local partners
- MSP should become a MDPV subscriber rather than make a separate request for parcels to meet their needs
- Request from Russell Provost should not request parcels, already covered by efforts of MDP
- MDE collecting data to update Chesapeake Bay watershed model
- Efforts MDE has been undertaking to collect land use data, including impervious surface data which is also collected by MDP
- MDP not clear on what MDE has been given to date
 - Meeting this Friday with MDP and MDE – Jeff White representing MDE
- MDP has 2 interests
 - Want to make sure agencies are coordinating and not duplicating
 - Looking for alternatives for updating Land Use/Land Cover data
- Suggest that Barney Krucoff or a representative from GIO office participate
 - Lisa Lowe is the environmental representative from GIO Office

Action Item: Forward the invite to Lisa Lowe – Jim Cannistra
- Clarify that third party data would not be submitted pushed to MD iMap
 - However, if a statewide dataset has added benefit added to it through analysis, this output could conceivably find its way onto MD iMap
 - Cannot change the agreement if it is already setup to not share the data in question
 - Perhaps sharing could still be limited to other state agencies for internal purposes

Outreach Subcommittee Updates

- Portal being actively updated and prepared for migration to SharePoint on DoIT servers
- Any comments, suggestions or questions concerning changes to the content of the Portal should be directed to Julia Fischer
- Future phases will redesign the Portal

Application Subcommittee Updates

- Promised TUGIS committee to invite Google and offer them a chance to do a workshop on Earth Builder
 - Connecting with contacts previously made for demoing and procurement in the past

How to consume Socrate services in MD iMap – Jason Keppler and Kaushik Dutta

- Trying to consume data from Socrata into ArcGIS and ultimately a MD iMap service
- Worked with MDTA and some MDA data
- Objection is to create services out of data being put into Socrata by non-GIS users
- Data is usually submitted to Socrata as Excel spreadsheets
 - Socrata creates a unique URL which is how the data is accessed within Socrata
 - Socrata will convert an address or a lat/long and create a location which can be used to geographically identify a feature within the system
 - No way to create an ArcGIS service directly from Socrata
 - Can export the data into multiple outputs
- Processing data from Socrata to map service
 - Export .xml, parse data out, using Python Script pushing into table structure
 - Create a feature class in SDE with associated fields of data and run Python Script to import into created feature class

- Modify the variables within the Python Script for specific data layer being imported
- Unique ID of the table must be known
- During testing, was able to bring in some transportation data and MDA data
 - Example: horse stables, animal control facilities and veterinary facilities
- Socrata automatically geocodes addresses provided in an uploaded Excel spreadsheet
- Adds latitude and longitude fields to the data which can be consumed into the service
- Still working on adding to the Script
 - Error handling
 - Potential to use JSON feed which has more information, including metadata associated with the data
 - Set up an automatic routine to check if there are updates to the data
 - Automate process with scheduler
- Will share through the GitHub account for collaboration in the near future
- Will also continue discussions with the Open Data contributors to keep standards aligned between Socrata uploaded data and MD iMap uploaded data
- Contact Kristen Ahearn if data is being added, so she can monitor

MD iMap Application Template Update

- Currently revamping the layout to adhere to the State standards and working closely with the DoIT Web Team and guidance of Frank Perelli
 - Have re-located the toolbar inside the map to not clash with State Layout.
 - Converted button text to icons
 - Still seeking to meet with state team for test integration
- Keeping the integration with ArcGIS Online as demonstrated at the December Tech meeting
 - Beta version has been registered in AGO, and will receive significant updates in February/March
- Updated to ArcGIS API 3.3 and Dojo 1.8
- Created the ability to define a web map outside of AGO or to use the standard API methods
- Working on allowing users to share maps via social media and save markup and results layers
- Collaborating with MES and MDE on future use of MD iMap templates

Additional Business

- Grade 17 position will be out shortly from DoIT for a position with the GIO Office
 - Only 1 applicant made it through the first round last time, so position is being reposted
 - Reworked the description and will advertise more once it is posted to the DBM website

Septic Tier Implementation Application

- Anticipate being added to the MD iMap Portal in the near future
- It is an ArcGIS Online based application

- Shows interplay between counties who are responsible for producing the septic tier map and MDP which is responsible for overseeing the production of maps
 - Consists of county boundaries and links to maps created by the counties with lots of different data on them
 - Series of correspondence, MDP approved or rejected
 - Been a very political process from implementation side
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- Issue of screen space/real estate for some of the applications
 - Trying to show a lot of information concerning the subdivision approval and tier maps
 - Constrained by fitting into the State template, which has a width restriction
 - Want to go without the template, but have gotten push back internally
 - Have a link to open in a full size browser, but if accessed directly from the site, the state webpage width is applied and it is restricting
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- Socrata data sent from Data Statistical Abstract
 - More information needs to be added to each of the datasets before it can be pushed to Socrata
 - Need to provide more details than just information that is included in the title
 - Working internally to update these as much as possible
 - Put about 60 layers up there and monitoring views
 - Interest was higher than anticipated for population projections and ZIP code maps
 - Encourage people to continue to push data onto Socrata, another venue for getting data out to the users